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FROM: Michael R. Ward, Reg. No. 38,651**DATE:** February 28, 2005**NUMBER OF PAGES WITH COVER PAGE: 6**Preparer of this slip has confirmed that facsimile number given is correct: 8701/LILIA**CAUTION - CONFIDENTIAL**

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Comments:

ATTORNEY DOCKET NO.: 546322000303
SERIAL NO.: 10/646,070
FILING DATE: August 22, 2003
INVENTOR(S): Michael W. GRAHAM et al.
ART UNIT: 1632
EXAMINER: D. Sullivan
TITLE: CONTROL OF GENE EXPRESSION

Papers attached herewith:

Transmittal (1 page)

Supplemental Information Disclosure (3 pages)

PTO/SB/08a/b (1 page)

PTO/SB/21 (09-04)

Approved for use through 07/31/2005. OMB 0651-0031

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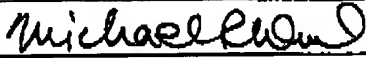
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TRANSMITTAL FORM <i>(to be used for all correspondence after Initial filing)</i>	Application Number	10/846,070	
	Filing Date	August 22, 2003	
	First Named Inventor	Michael W. GRAHAM	
	Art Unit	1632	
	Examiner Name	D. Sullivan	
Total Number of Pages in This Submission	5	Attorney Docket Number	546322000303

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Supplemental Information Disclosures Statement (3 pages) PTO/SB/08a/b (1 page) Fax Cover Sheet
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

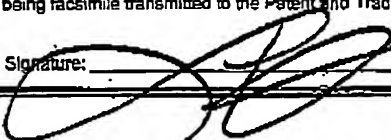
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Date	2/28/05	Reg. No.	38,651

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(Lita Olsen)

sf-1880768

PATENT
Docket No. 546322000303

CERTIFICATE OF FACSIMILE

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Date of Deposit: February 28, 2005

(Lilia Olsen)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Michael W. GRAHAM et al.

Serial No.: 10/646,070

Filing Date: August 22, 2003

For: CONTROL OF GENE EXPRESSION

Examiner: D. Sullivan

Group Art Unit: 1636

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SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98MAIL STOP: AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08A/B. Copies of the documents were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number US 09/646,807, filed December 5, 2000, and, accordingly, copies are not included herewith. This protocol conforms with 37 C.F.R. §1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

sf-1878177

Application Serial No. 10/646,070**Docket No. 546322000303**

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08A/B, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search

Application Serial No. 10/646,070**Docket No. 546322000303**

has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 546322000303. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: February 28, 2005

Respectfully submitted,

By: Michael R. Ward
Michael R. Ward
Registration No. 38,651

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FEB 28 2005

ALTERNATIVE TO PTO/SB/08a/b (06-03)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/646,070
				Filing Date	August 22, 2003
				First Named Inventor	Michael W. GRAHAM
				Art Unit	1636
				Examiner Name	D. Sullivan
Sheet	1	of	1	Attorney Docket Number	546322000303

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US 5,578,716	11-26-1996	Szyf et al.	
	AB	US 5,998,383	12-07-1999	Wright et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO 95/15378	05-08-1995			

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
	CA	Agrawal et al. (2000) "Antisense therapeutics: Is it as simple as complementary base recognition?" Molecular Medicine Today 6: 72-81.	
	CB	Cameron et al. (1994) "Multiple Domains in a Ribozyme Construct Confer Increased Suppressive Activity in Monkey Cells" Antisense Research and Development 4: 87-94.	
	CC	Harborth et al. (2003) "Sequence, Chemical, and Structural Variation of Small Interfering RNAs and Short Hairpin RNAs and the Effect on Mammalian Gene Silencing" Antisense and Nucleic Acid Drug Development 13: 83-105.	
	CD	Holen et al. (2002) "Positional effects of short Interfering RNAs targeting the human coagulation trigger Tissue Factor" Nucleic Acids Research 30 (8): 1757-1766.	
	CE	Jen et al. (2000) "Suppression of Gene Expression by Targeted Disruption of Messenger RNA: Available Options and Current Strategies" Stem Cells 18: 307-319.	
	CF	McManus et al. (2002) "Gene Silencing using micro-RNA designed hairpins" RNA 8: 842-850.	
	CG	McManus et al. (2002) "Small Interfering RNA-Mediated Gene Silencing in T Lymphocytes" Journal of Immunology 169: 5754-5760.	
	CH	Opalinska et al. (2002) "Nucleic-Acid Therapeutics: Basic Principles and Recent Applications" Nature Reviews 1: 503-514.	
	CI	Randall et al. (2003) "Clearance of replicating hepatitis C virus replicon RNAs in cell culture by small interfering RNAs" PNAS 100 (1): 235-240.	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ³ Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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sf- 1876556